

**WHAT IS CLAIMED IS:**

1. A method for manufacturing a clutch suction disk for an air compressor of a vehicle air conditioner, comprising the steps of:
  - 5      punching a solid round cylindrical steel bar so that the steel bar to be shorted;
  - forming a recess in an axial central portion of the shortened steel cylinder by cool forge;
  - expanding a bottom of the steel bar as a disk which expands out of a lower end of the flattened steel cylinder;
  - 10      folding an outer side of the disk upwards to form an outer cylinder which encloses the flattened steel cylinder by a further cool-forge process;
  - punching a bottom of the recess so that the bottom descends downwards to be lower than a bottom of the outer cylinder; and
  - 15      forming a round hole with a predetermined diameter; at the bottom of the recess.
2. An integral formed clutch suction disk of an air compressor of a vehicle air conditioner comprising:
  - 20      a steel cylinder having a recess through a central axis thereof;
  - a disk expanding from a bottom of the steel bar as a disk which is out of a lower end of the flattened steel cylinder; an outer side of the disk being folded upwards so as to form an outer cylinder which encloses the steel cylinder;
  - wherein a bottom of the recess is descended downwards to be lower than a bottom of the outer cylinder; and a round hole with a predetermined diameter is formed at the bottom of the recess.
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